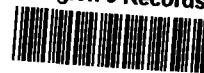




DATE: May 5, 1987
TO: Division File
FROM: Jeannine Balsamo
SUBJECT: 0316000033 - Cook County
Chicago/Paxton II
ILD009498186/Subpart F
Groundwater Analysis Results

EPA Region 5 Records Ctr.



261510

The following summarizes the organic results from the February 26, 1987 IEPA sampling of the monitor wells at the above referenced site. Only those compounds above 10 UG/L are noted. The shallow wells along the northern boundary of the site, wells G18S, G15S, G17S and G16S, which historically have shown high organic levels with leachate bubbling out of the wells, have been plugged. As my March 5, 1987 memo explains, there is much question as to the adequacy of the plugging of these wells and whether this could result in a potential pathway for contamination into the aquifer. The wells along the southern boundary of the site show some evidence of contamination while the wells along the western boundary show the least amount of contamination. The groundwater flow direction for the site has not yet been determined but it has been potulated that is is erratic across the site. For further information on site geology, well construction, etc., see my March 5, 1987 Division File memo.

JB:pgb:0760P

cc: Northern Region
Compliance Monitoring Section, Cindy Davis
Glenn Savage
Rick Herseman, USEPA
John Faletto, USEPA
Jeannine Balsamo

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JUN 10 1987

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<u>Well</u>	<u>Compound</u>	<u>Level (UG/L)</u>
R11D	No levels over 10 UG/L	
G18S	Benzene	60
G15S	Toluene	300
G13D	Naphthalene	30
	Phenanthrene	30
G15D	No levels over 10 UG/L	

Approximate Quantity

R11S	Aliphatic Hydrocarbons	560
	Other Organic Compounds	70
G18S	Tetrahydrofuran	6600
	Aliphatic Hydrocarbons	800
	Aliphatic Alcohols	30
	Other Organic Compounds	6600
G17S	Tetrahydrofuran	1900
	Methoxy Methylethoxy Propanol	90
	Other Organic Compounds	4100
G15S	Acetonitrile	40
	Acetone	140
	Tetrahydrofuran	700
	Cyclohexanone	530
	Other Organic Compounds	5200
G16S	Tetrahydrofuran	170
	Other Organic Compounds	330
G13D	2-Methyl-2-Propanol	20
	Aliphatic Hydrocarbons	70
	Other Organic Compounds	60
G104	Aliphatic Hydrocarbons	50
	Other Organic Compounds	510
G124	Other Organic Compounds	750

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<u>Well</u>	<u>Compound</u>	<u>Level (UG/L)</u>
R105	Aliphatic Hydrocarbons	30
	Aliphatic Acid Esters	15
	Other Organic Compounds	20
R106	Aliphatic Hydrocarbons	90
	Other Organic Compounds	20

Approximate Quantity/Tentative Identification

G18S	Dimethoxy Methane	100
	1,3-Dioxolane	30
	1,3,6-Trioxocane	120
	Methoxy Methylethoxy Propanol	3200
	Methoxymethylethoxy Methylethoxy Propanol	33000
G17S	1,3,9-Trioxocane	50
	Methoxymethylethoxy Methylethoxy Propanol	3600
G15S	Methoxy Methylethoxy Propanol	1400
	Methyl Cyclopentanol	350
	Methyl Pentanediol	250
	Methoxymethylethoxy Methylethoxy Propanol	26000
G16S	Methoxy Methylethoxy Propanol	50
	Methoxymethylethoxy Methylethoxy Propanol	2700
G13D	Methoxymethylethoxy Methylethoxy Propanol	40
G104	Methoxy Methylethoxy Propanol	20
	Methoxymethylethoxy Methylethoxy Propanol	90
G124	Propyl Ether	240
	Methyl Dioxolane	20
	Tetrahydrofuran	60
	Dimethoxy Methane	90
	1,3-Dioxolane	20
	1,3,6-Trioxocane	20
	Methyl Methylethoxy Propanol	15
	Methoxymethylethoxy Methylethoxy Propanol	380

"Approximate Quantity" is indicated, according to John Hurley of IEPA, when a compound is not part of the priority pollutant list. "Tentative Identification" is indicated when a compound is not a priority pollutant and when a standard was not run for comparison. The sample result was compared with mass spectrometer data in the library files for identification. The compound, though, was definitely present in the sample.

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DATE: March 5, 1987
TO: Division File
FROM: Jeannine Balsamo
SUBJECT: 0316000033 - Cook County
Chicago/Paxton II
ILD069498186 - Subpart F Inspection

An inspection was conducted on February 26, 1987 at the above referenced site to determine their degree of compliance with Part 725, Subpart F Groundwater Monitoring Requirements. Twelve monitor wells were sampled for organics on this day. (Two wells could not be sampled due to low recharge rates). Present at the inspection were Jean Sellars, who has taken over for Dan Smith as Environmental Coordinator for the site, and personnel from Gulf Coast Laboratories.

Paxton submitted their Part A application on November 18, 1980 notifying that they had landfilled hazardous waste prior to November 18, 1980 and for the future destruction and treatment of hazardous waste by a distillation column and incinerator. The company later withdrew their application stating that the incinerator was never built nor was any hazardous waste accepted at the site after November 18, 1980. Withdrawal was denied based on several manifests for loads of hazardous waste from Conoco that were accepted at the site. Paxton has contended that they are not a hazardous waste facility and therefore has not complied with any of the RCRA requirements. IEPA never formally referred the site to USEPA but provided the necessary information concerning the matter. USEPA required the facility to either submit a Part B or a closure/post-closure plan. (In addition, they filed a complaint and set a fine.) I discussed the site's present situation with Rick Herseman of USEPA. He stated that the site will be dropped as a RCRA facility because there is no hard core evidence that any hazardous waste was accepted after 1980. USEPA believes that the best action is to require the site to conduct a facility investigation including site characterization and monitor well installation, with closure (expected cost \$500,000). Mr. Herseman sent the site a guidance for corrective action and the facility is expected to submit a proposal for the investigation in April, 1987.

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